

Claims

## 1. An information system comprising

- a signal capturing apparatus that captures signals reflected back from an eye comprising a retina;
- a field-of-view capturing apparatus that captures visible light from a field of view associated with the retina without capturing a retinal reflex image of the retina;
- an information apparatus; and
- a output apparatus that provides information in cooperation with the information apparatus as a function of the captured light and in correlation with the captured signals, wherein
- the information apparatus comprises an evaluation apparatus that obtains image information with regard to the field of view from the captured light; and
- the output apparatus comprises a projection apparatus that projects the image information onto the retina in correlation with the captured signals such that a naturally perceived field of view and the projected image information are perceived as a unitary image by the retina.

## 2. The information system in accordance with claim 1, wherein said function encompasses a temporal or spatial correlation between the provision of the information and the captured light.

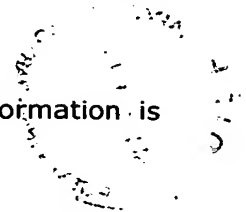
## 3. The information system in accordance with claim 1, wherein said function encompasses a pattern recognition that yields at least one information key, and the information keys serve for an information query based on the information apparatus.

## 4. The information system in accordance with claim 1, wherein the signal capturing apparatus comprises a scanning apparatus that records an at least partial capture of the retinal reflex image in a first scan operation and carries out a less comprehensive capture of the retinal reflex image in a later scan operation.

## 5. The information system in accordance with claim 1, wherein the signal capturing apparatus captures the retinal reflex image only partially or not at all.

## 6. The information system in accordance with claim 1, wherein the field-of-view capturing apparatus and/or the signal capturing apparatus at least partially captures the corneal reflex image of the eye.

7. The information system in accordance with claim 1, wherein the output apparatus provides the information tactually, visually, audibly, smellably and/or tastably.
- 5 8. The information system in accordance with claim 1, wherein the information apparatus a databank, a sensor system, an information network connection and/or an evaluation apparatus.
9. A method for providing information comprising the steps of:
- 10     - capturing signals that have been reflected back from an eye comprising a retina;
- capturing visible light from a field of view associated with the retina without capturing a retinal reflex image of the retina;
- providing the information in cooperation with an information apparatus as a function of the captured light and in correlation with the captured signals;
- 15     - obtaining image information with regard to the field of view from the captured light; and
- projection of the image information onto the retina in correlation with the captured signals such that a naturally perceived field of view and the projected image information are perceived as a unitary image by the retina.
- 20 10. The method in accordance with claim 9, wherein said function encompasses a temporal or spatial correlation between the provision of the information and the captured light.
- 25 11. The method in accordance with claim 9, wherein said function encompasses a pattern recognition that yields at least one information key, and the information keys serve for an information query based on the information apparatus.
- 30 12. The method in accordance with claim 9, wherein the capturing of signals comprises scan operations, wherein an at least partial capture of the retinal reflex image is carried out in a first scan operation and a less comprehensive capture of the retinal reflex image is carried out in a later scan operation.
- 35 13. The method in accordance with claim 9, wherein the signal capturing captures the retinal reflex image only partially or not at all.
14. The method in accordance with claim 9, wherein the capture of visible light and/or the signal capturing comprises an at least partially capture of the corneal reflex image of the eye.



15. The method in accordance with claim 9, wherein the provision of information is effected tactually, visually, audibly, smellably and/or tastably.
- 5 16. The method in accordance with claim 9, wherein the information apparatus comprises a databank, a sensor system, an information network connection and/or an evaluation apparatus.